



CITY OF SANTA BARBARA

2010

Public

Works

Department

Annual

Report



DIRECTOR'S MESSAGE



Welcome to the inaugural Public Works Department Annual Report. This report has been developed to provide a summary of the variety of work and programs managed by Public Works and highlights the Department's accomplishments for Fiscal Year 2010. On behalf of the over 280 dedicated Public Works employees, I hope you find this report to be a useful tool in understanding more about Public Works and how we work to support the community of Santa Barbara.

The Public Works Department has a variety of responsibilities and work programs. With a dedicated and diverse team of professional and technical staff, Public Works designs and builds capital projects, manages downtown parking and the street and sidewalk systems, maintains all City facilities and manages water and wastewater services throughout the City. We invite you to learn about the Department's six divisions: Engineering, Transportation, Facilities and Energy,

Water Resources, Fleet Maintenance and Administration, and the broad range of services and projects that the Department oversees by visiting our website at:
<http://www.santabarbaraca.gov/Government/Departments/PW/>.

Through this Annual Report, we invite you to learn how the Department "leverages" funds; extending the City's buying power through partnerships and grants. Also learn about our employees that provide the services to the community, along with some of the innovative approaches to getting our work done.

During these challenging economic times, the Public Works Department has been able to access federal and state stimulus funding to improve infrastructure and gain energy efficiencies, while providing employment opportunities in the community. We hope you have seen the effects of some of these projects in your neighborhood.

Christine F. Andersen
Public Works Director
City of Santa Barbara

PUBLIC WORKS DEPARTMENT DIVISIONS

Engineering



Constructing the City's Capital Program and coordinating the Department's role on the City's Land Use team are key roles for Engineering. The staff are a cadre of professional engineers, technicians and inspectors trained to navigate the process of building and maintaining new City facilities. Engineering also manages the Streets Pavement Maintenance Program, Underground Utility Program, and provides surveying services.

Transportation

The multifaceted job of the Transportation Division includes Transportation Operations and Planning staff who manage signal timing, monitor City streets for speed, assess the need for pedestrian access and safety, and review private development projects for compliance with the City's Circulation Element. Transportation is home to the Streets Maintenance section whose crews are seen most often by the public filling potholes, repairing sidewalks, clearing storm drains, replacing street signs, repainting pavement markings, and removing graffiti. The Downtown Parking Program oversees the maintenance and operations of the City's 12 paid parking lots and garages in the downtown area.



Facilities and Energy



City Hall, Cabrillo Arts Center, Carrillo Recreation Center, and fire stations; beautiful buildings in a beautiful city. Building Maintenance is responsible for long range building maintenance and upgrades to extend their longevity. Electronic and communications technicians are responsible for street lights and identifying and implementing energy-saving projects consistent with Sustainable Santa Barbara, a City-wide program. The City's custodial staff is also part of this Division and maintain the day-to-day cleanliness of the City's facilities.

PUBLIC WORKS DEPARTMENT DIVISIONS

Water Resources

The Water Resources Division manages the water and wastewater utilities for Santa Barbara. This encompasses water supply, conservation, treatment, distribution, and recycled water. Wastewater includes collection and treatment. Water Resources also provides laboratory analysis for both water and wastewater. Their mission is to provide safe, reliable and cost effective water and wastewater services to their customers.



Fleet Maintenance

Fleet Maintenance manages vehicle and equipment maintenance, shared vehicle pools, the vehicle procurement program and various support services in order to provide cost effective, safe, and reliable vehicles and equipment for all City Departments. Whenever available, and depending on the type of vehicle required, the City purchases alternative fuel or hybrid vehicles.

Recently, the City added more alternative fuel and hybrid vehicles to its fleet, comprising 63% of all vehicles ordered last year. New alternative fuel vehicles acquired in Fiscal Year 2010 include 14 bio-diesel-fueled vehicles, 11 hybrids, 2 electric vehicles, and 9 vehicles that are capable of running on ethanol.

Administration

Customer service, budget oversight, Capital Improvement Program coordination and performance management are the responsibilities of the Public Works Administration Division. Administration staff provide support and services to all Divisions in the Public Works Department.



CAPITAL PROJECTS: IMPROVEMENTS TO CITY INFRASTRUCTURE

Capital projects are generally large-scale endeavors in terms of cost, size and benefit to the community. The underlying strategy of the City's Capital Improvement Program is to plan for land acquisition, construction, and major preservation of public facilities necessary to safely and efficiently provide services to the community, and to identify future funding needs for long-term facility maintenance and repair. In Fiscal Year 2010, Public Works Engineering staff managed over \$30 million in Capital projects.

Fire Station #1 Seismic Upgrades



The seismic retrofit and renovations of Fire Station #1 at 121 West Carrillo Street were completed in October 2009. Construction on this critical public safety improvement project began in June 2008. The project cost approximately \$7 million and was funded by the City Redevelopment Agency. The project included structural seismic upgrades, solar panels, a new Emergency Operations Center and classroom training area, and remodeled crew living quarters.

West Downtown and West Cabrillo Pedestrian Improvements



Sidewalk and crosswalk improvements were one primary focus area for this year's Capital Program. New street lighting, brick crosswalks, access ramps, curb extensions, and landscaping have been installed on West Ortega and West Anapamu Streets creating a pedestrian friendly route between the pedestrian freeway overpasses that connect the Westside with downtown.

Located along the Santa Barbara Waterfront between Stearns Wharf and the Harbor area, the West Cabrillo Boulevard Pedestrian Improvement project replaced sidewalks and installed brick crosswalks and a pedestrian-activated signal at Ambassador Park to improve safety along busy West Cabrillo Boulevard.

Cater Water Treatment Plant Chain and Flight Replacement



The Cater Water Treatment Plant treats over 6,000 million gallons of drinking water per year. The Chain and Flight Replacement project replaced the original 1964 steel chain and redwood flight mechanism and upgraded and maintained the processes to produce drinking water for the City.

PUBLIC WORKS EVERYDAY

Streets Maintenance



You may see the Streets Maintenance Crew around town in their orange trucks and uniforms. These are the workers who repair and replace sidewalks, fill potholes, stripe the City's streets, make, install and replace street and traffic signs, clear storm drains, remove graffiti, pick up abandoned trash and furniture, remove road debris and set-up for the City's major celebrations, including Summer Solstice, Fourth of July, Fiesta, and the Holiday Parade. This section also manages the Street Sweeping Program, ensuring the City's streets are swept on a regular basis. The Streets crews accomplish day-to-day operations to keep the City looking its best.

Facilities & Energy



The Facilities and Energy Division staff are constantly looking for new methods and technologies to reduce energy used by the City's lighting, air and heating, street light and traffic signal systems. Electronic and communications technicians ensure the City's phones, radios, street lights, and signals are maintained and they also respond to handle repairs. Custodial crews keep over 30 City-owned facilities clean and well-stocked.

Water Resources



Water Resources manages the City's water supply and wastewater disposal. Staff adjusts the water and wastewater treatment systems daily to comply with State and Federal regulations, and update and maintain the Cater Water Treatment and El Estero Wastewater Treatment Plants to provide reliable water and wastewater disposal service to customers.

The water distribution and wastewater collection systems that serve customers throughout the City are also part of the Water Resources maintenance responsibilities. Water Distribution staff exercise valves, flush fire hydrants, clean water reservoirs annually, and are first on scene to repair water line breaks. Wastewater collection staff clean and monitor collection pipes to ensure the system operates efficiently.

PUBLIC WORKS EVERYDAY

Fleet Maintenance



Fleet Maintenance manages a rigorous preventive maintenance program and performs repairs to vehicles and equipment for all City Departments. The vehicles and equipment are regularly maintained to ensure vehicles are safe, reliable and ready to go at a moment's notice, but also to ensure the vehicles and equipment last as long as possible to preserve the City's capital investment in the fleet.

To make sure the most fuel efficient vehicles are included in the City's fleet, Fleet Maintenance researches and reviews new technology and advances in fuel efficiency. The City's fleet currently includes 108 vehicles running on biodiesel, 33 hybrid vehicles, 3 electric vehicles, 8 compressed natural gas (CNG) vehicles, 2 liquid petroleum vehicles, and 8 vehicles that are capable of using ethanol. The City uses B20 ultra-low-sulfur biodiesel in all diesel vehicles, including fire engines and construction equipment, and electric vehicle recharging stations are available at designated City parking lots.

Downtown Parking



Downtown Parking maintains five parking garages, seven surface lots and two commuter lots. Crews clean each garage/lot each day before 10 a.m., and all parking equipment, fee computers, gate arms and ticket dispensers are checked each morning at each lot and garage at 5:30 a.m., 361 days per year.

SPECIAL PROGRAMS AND EVENTS

Sustainability



The Sustainable Santa Barbara Program is a City-wide effort to promote sustainable practices. The City and the community can only achieve our shared goals for sustainability by taking “green” steps in our daily decisions. The Public Works Department strives to lead by example; managing energy and water resources, the transportation system and the City’s fleet, using sustainable practices.



The Public Works Department manages the Work TRIP Program. City staff are encouraged to leave their car at home and use alternative forms of transportation to commute to work. The City offers a generous variety of incentives, such as subsidies for carpool and public transit, flexible work schedules and bicyclist incentives. The City completed the third year of the Work TRIP Program this year, saving over 1.4 million miles of single occupant vehicle commute trips, 70,000 gallons of fuel and approximately 1.4 million pounds of emissions.



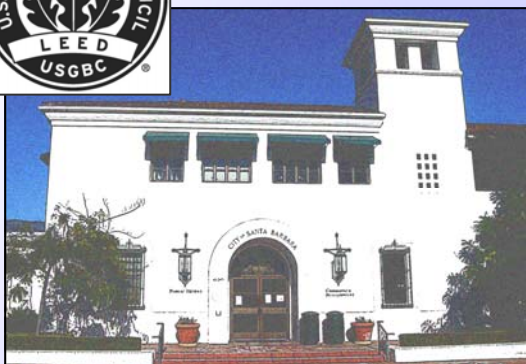
Through a partnership with Southern California Edison, the City replaced existing sodium and metal halide lights with florescent lighting in garages/lots 2, 7, 9, and 10. The lighting upgrades are expected to save over 45% in lighting costs.



The City added more alternative fuel and hybrid vehicles to its fleet this year, comprising 63% of all vehicles ordered last year.



The Pool Vehicle Program was also initiated this year as an interactive, web-based system that allows City staff to reserve, check out and return pool vehicles. The system charges City programs only for the time the vehicle is used. The Pool Vehicle Program meets the City’s transportation needs, maximizes vehicle utilization, and ultimately reduces overall fleet costs.



The City of Santa Barbara’s office building at 630 Garden Street has been awarded LEED®-EB (Leadership in Energy and Environmental Design – Existing Building) Platinum Certification by the U.S. Green Building Council. The building features optimized use of energy and water, uses environmentally preferred cleaning products, recycles, and has upgraded heating/air conditioning systems. By using less energy and water, LEED certified buildings save money for families, businesses and taxpayers; reduce greenhouse gas emissions; and contribute to a healthier environment.

SPECIAL PROGRAMS AND EVENTS

American Recovery and Reinvestment Act of 2009



ARRA funds are part of President Obama's 2009 stimulus package intended to create jobs and upgrade America's infrastructure. Many of the City's "shovel-ready" projects were eligible for Federal ARRA funding this year.

Approximately \$600,000 in ARRA funding has been designated for the Lower Mission Creek Flood Control Project through the Army Corps of Engineers. The funds will be used to design the Lower Mission Creek Flood Control project from Cabrillo Boulevard to Canon Perdido Street.

The City received approximately \$868,000 in Energy Efficiency and Conservation Block Grant funding. It's been a busy and productive year for the City's Energy Team conducting audits of electrical service accounts to identify cost savings, implementing energy conservation and renewable generation projects to save energy and money, and to reduce the City's impact on the environment.

The City has also been awarded over \$3.7 million in ARRA funds for street pavement maintenance, access ramps, sidewalk maintenance, and pedestrian and signal improvement projects.

Highway Bridge Program



The City received funding from the Federal Highway Bridge Program to begin designing the Chapala, Cota, and Mason Street Bridges along Mission Creek. The bridges will be replaced in concert with the Lower Mission Creek Flood Control Project to increase flood water conveyance capacity and enhance recreational opportunities and riparian habitat. Bridge replacement is a multi-year process that includes design, right-of-way acquisition, and construction. Construction of the Chapala Bridge is scheduled for 2011.

SPECIAL PROGRAMS AND EVENTS

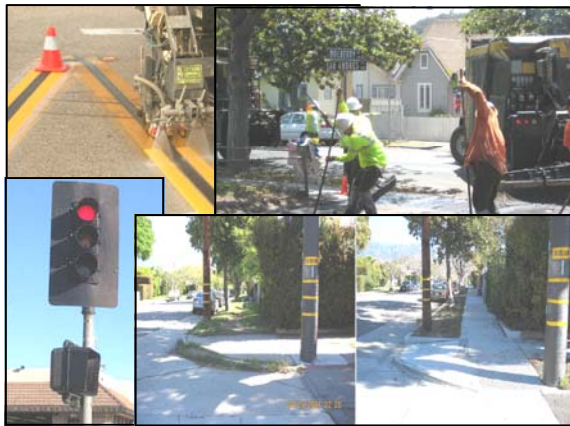
Jesusita Fire and Flood Preparedness



The City experienced the unprecedented Jesusita Fire in May 2009, which required the City to accomplish a number of fire damage repair and flood hazard mitigation projects prior to the following winter rains. City, County and State officials worked together to clear creek channels and stabilize slopes throughout the fall and early winter.

Local emergency services agencies held Flood Preparedness meetings throughout the fall to assist City residents residing below the burned areas in preparing for flood and debris flows. During rain storms the City opened the Sandbag Station at the City's Annex Yard and offered free sandbags to City Residents.

Grants and "Leveraging" City Funds



A significant amount of the Public Works budget for transportation and streets programs comes from grants that the City receives. Most grants require that the City pay a portion of the total project cost and grants make up the balance. This technique is known as "leveraging" and is a method the City uses to make existing funds go further.

For example, the Department received \$400,000 Highway Safety Index grant that allows the City to make changes in lane striping, add signals or signs, or other projects that make intersections safer for motorists and pedestrians. Many grants combined contribute to the City Pavement Maintenance Program.

UPRR
Corridor
Before



UPRR
Corridor
After



Another example of leveraging funds is through partnerships with other agencies. For example, the City has entered into an agreement with the Union Pacific (UP) railroad to share maintenance costs of the 5.9 miles of railroad corridor property within City limits. Since 2007, Street Maintenance leads clean up efforts supported by UP flagmen and a squad of labor from the California Conservation Corps (CCC), to remove excess vegetation, chip brush into mulch, remove transient encampments and debris. UP reimburses City for graffiti removal and the CCC work crew.

PUBLIC WORKS' BEST AND BRIGHTEST - EMPLOYEES OF THE MONTH



July 2009:
James Fink
Electronic/Communication Technician



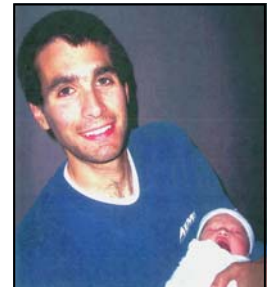
August 2009:
Lisa Arroyo
Project Engineer



September 2009:
Nancy Stecki
Administrative Specialist



October 2009:
Tina Diaz, Administrative Specialist
Christina Caratachea, Administrative Assistant
Alex Mayorga, Auto Shop Supervisor
Shaun Mapes, Auto Equipment Technician



November 2009:
Brain D'Amour
Supervising Civil Engineer



January 2010:
Suzanne Joslyn (left), and Brooke Martinez
Administrative Specialists



March 2010:
Susan Thomson
Water Treatment Superintendent



February 2010:
Vincent Pimentel
Wastewater Treatment Plant Supervisor



May and June 2010:
Autumn Smith (left) and James Winslow
Project Engineers



April 2010:
Jessica Grant, Project Planner

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www.santabarbaraca.gov/Government/Departments/PW/index.htm

**Public Works Department
Organization Chart**

